



# iPhone 4S Battery Replacement

Replace the battery on your iPhone 4S.

Written By: Walter Galan



## INTRODUCTION

Replacing the battery on the iPhone 4S requires minimal disassembly.

For optimal performance, calibrate your newly installed battery: Drain battery below 10%, then charge uninterrupted to 100%.

[video: <https://www.youtube.com/watch?v=i196dj1cZIs>]

---



### TOOLS:

- [P2 Pentalobe Screwdriver iPhone](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Anti-Static Project Tray](#) (1)






### PARTS:

- [iPhone 4S Replacement Battery](#) (1)

## Step 1 — Rear Panel



-  Before you begin, discharge your iPhone battery below 25%. A charged lithium-ion battery can catch fire and/or explode if accidentally punctured.
- Power off your iPhone before beginning disassembly.
- Remove the two 3.6 mm Pentalobe P2 screws next to the dock connector.
-  Be sure the driver is well seated when removing Pentalobe screws, they are very easy to strip.
-  During reassembly, we recommend you replace the 5-point screws with equivalent Phillips screws. Our [Liberation Kit](#) provides the tools and screws needed to replace the Pentalobe screws with Phillips screws.

## Step 2



- Push the rear panel toward the top edge of the iPhone.

**i** The panel will move about 2 mm.

## Step 3



- Pull the rear panel away from the back of the iPhone, being careful not to damage the plastic clips attached to the rear panel.
- Remove the rear panel from the iPhone.



## Step 4 — Battery



- Remove the following screws securing the battery connector to the logic board:
  - One 1.7 mm Phillips screw
  - One 1.5 mm Phillips screw.
- Use a plastic opening tool to gently detach the battery connector from the socket on the device. Start lifting off the connector from the bottom side, by placing the tip of the tool between the loudspeaker enclosure and the metal cover of the connector.
- ⓘ The battery connector comes off vertically from the logic board. Do not apply force sideways.
- ⚠ Pay attention to the pressure contact underneath the top screw of the battery connector. This may come loose while prying the battery connector from its socket.

## Step 5



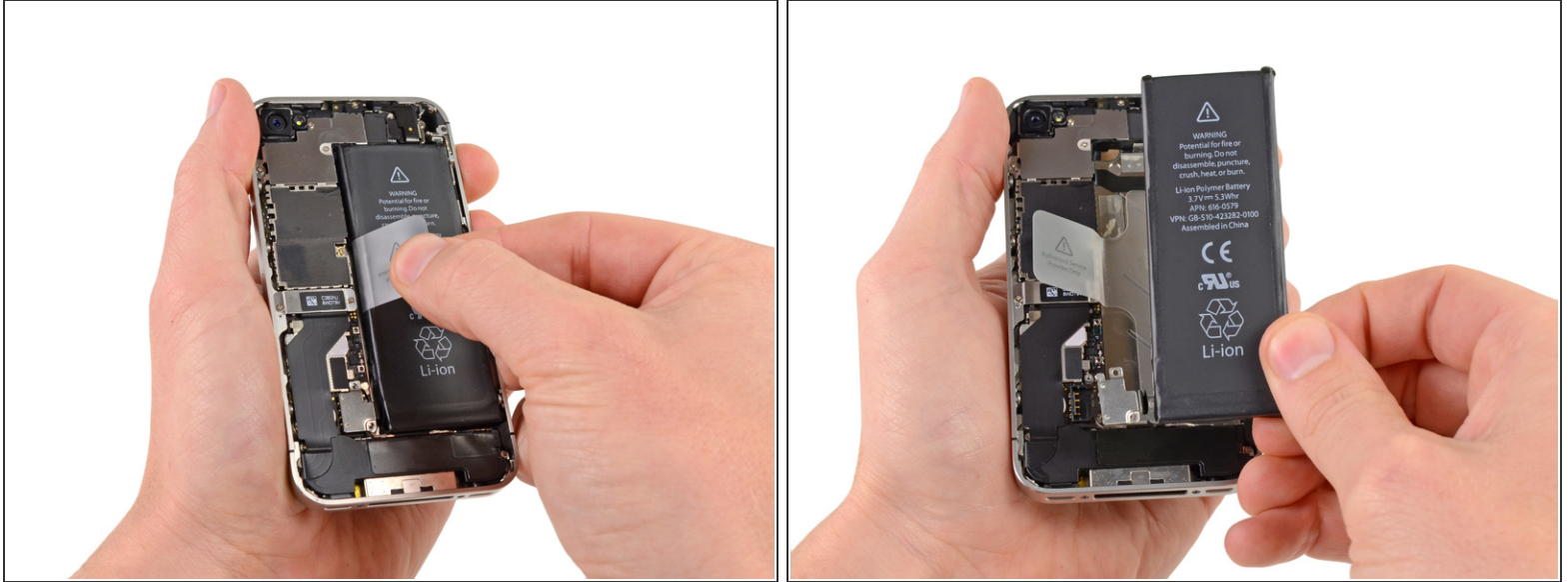
- Use a plastic opening tool to pull the pressure contact from underneath the battery connector.
- ⚠ When reinstalling the pressure contact, be sure to clean it with a degreaser such as windex or isopropyl alcohol. The oils on your fingers have the potential to create wireless interference.
- ⚠ Take notice of the position of the small black ground clip on the upper screw of the battery connector. This clip is attached only by the upper screw. When reinstalling, it must be aligned so the gold contact point will press against the back cover.
- Be careful not to rip off the battery connector socket soldered on the logic board. There are 4 very small soldering points awaiting this mistake!

## Step 6




- Insert the edge of a plastic opening tool between the battery and the outer case near the bottom of the iPhone.
- Run the plastic opening tool along the right edge of the battery and pry up at several points to completely separate it from the adhesive securing it to the outer case.


## Step 7



- Use the exposed clear plastic pull tab to peel the battery off the adhesive securing it to the iPhone.

 Be careful not to pull the plastic pull tab too hard as it can be ripped off very easily.

- Remove the battery.

 Perform a [hard reset](#) after reassembly. This can prevent several issues and simplify troubleshooting.

To reassemble your device, follow these instructions in reverse order.

If your iPhone reboots constantly after the replacement, you need to do a "Hard Reset" by holding down the Home- and Sleep-Button for about 10 seconds (until the device restarts).

If you have WiFi and/or Cellular connection problems with the new battery, try restoring the device using iTunes.

For optimal performance, calibrate your newly installed battery: Drain battery below 10%, then charge uninterrupted to 100%.

This document was last generated on 2017-07-19 02:54:20 AM.